NC/QC/PD/2018-19/MC-CA1

Date: 21-04-2018

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Construction of Mustering center for Poura karmikas at Mallasandra Sy no 33, in Ward No.13, Mallasandra Project Sub Division Dasarahalli Zone.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	96.45	85-100	90 - 100
10 mm	48.30	0 - 20	25 - 55
4.75 mm	4.50	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	23.06 %	Not to exceed 25 %
2.	Crushing value	26.52 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

*As Furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone.
Bruhat Bengaluru Mahanagara Palike

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

Scanned by CamScanner

NC/QC/PD/2018-19/MC-CB1 Date: 30-04-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Construction of Mustering center for Poura karmikas at Mallasandra Sy no 33, in Ward No.13, Mallasandra Project Sub Division Dasarahalli Zone.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-04-18	30-04-18	07	22500	305	13.55	**13.40**
	002	"	"	"	"	310	13.77	
	003	"	"	"	"	290	12.88	

*As Furnished by Client.

The Results relate only to the items tested.

Page No. 1/1,

KIRAN. R
M.E, (Civil-Engg)
For Newzen Consultants Bangalore
Proprietor

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

Scanned by CamScanner

NC/QC/PD/2018-19/MC-CB1A

Date: 21-05-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Mustering center for Poura karmikas at Mallasandra Sy no 33, in Ward No.13, Mallasandra Project Sub Division Dasarahalli Zone.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-04-18	21-05-18	28	22500	390	17.33	**17.63**
	002	"	"	"	"	405	18.00	
	003	"	"	"	"	395	17.55	

*As Furnished by Client.
The Results relate only to the items tested.

Page No. 1/1,

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengalaru Mahanagara Palike

KIRAN. R
M.E, (Civil-Engg)
For Newzen Consultants Bangalore

Scanned by CamScanner

NC/QC/PD/2018-19/MC-S1 **Date: 25-04-2018**

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 8, 12, 16 & 20 mm **TMT Steel.**

{Project*: Construction of Mustering center for Poura karmikas at Mallasandra Sy no 33, in Ward No.13, Mallasandra Project Sub Division Dasarahalli Zone.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

TABLE – 1

SL No	Details	For 8 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**8.0 mm**	10.0 mm	**8.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.393**	0.363	**0.892**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**545.0**	500.0	**542.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**20.60**	12.00	**21.30**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**642.0**	545.0	**638.0**	545.0

*As furnished by Client.

The Results relate only to the items tested.

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bangalore Mahanagara Palike

KIRAN. R
M.E, (Civil-Engg),

For Newzen Consultants Bangalore

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

Scanned by CamScanner

Date: 25-04-2018

TABLE – 2

SL No	Details	For 16 mm		For 20 mm	
		Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**16.0 mm**	16.0 mm	**20.0 mm**	20.0 mm
02	Observed Wt/m Length **Kg/m**	**1.593**	1.483	**2.478**	2.470
03	Proof stress/Yield stress, fy , **N/mm^2**	**556.0**	500.0	**564.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**----**	---
05	Percentage of Elongation, %	**21.00**	12.00	**19.70**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**637.0**	545.0	**645.0**	545.0

*As furnished by Client.

The Results relate only to the items tested.

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

KIRAN. R
M.E, (Civil-Engg)
For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

Scanned by CamScanner

NC/QC/PD/2018-19/MC-CB2

Date: 09-05-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Mustering center for Poura karmikas at Mallasandra Sy no 33, in Ward No.13, Mallasandra Project Sub Division Dasarahalli Zone.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-05-18	09-05-18	07	22500	435	19.33	**19.25**
	002	"	"	"	"	440	19.55	
	003	"	"	"	"	425	18.88	

*As Furnished by Client.
The Results relate only to the items tested.

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

Page No. 1/1,

KIRAN. R
M.E, (Civil-Engg)
For Newzen Consultants Bangalore
Proprietor

Scanned by CamScanner